GOVERNMENT OF INDIA
PETROLEUM AND NATURAL GAS
LOK SABHA

UNSTARRED QUESTION NO:708
ANSWERED ON:16.08.2007
HYDROGEN FUEL BASED TECHNOLOGY
Mondal Shri Abu Ayes

Will the Minister of PETROLEUM AND NATURAL GAS be pleased to state:

(a) Whether the Government has envisaged road maps for development of Hydrogen fuel based technology;

(b) if so, by which time the entire country would be covered with hydrogen fuel cells based automotive systems; and

(c) if so, the detail of the proposals with private-public partnerships in this regard?

Answer

MINISTER OF THE STATE IN THE MINISTRY OF PETROLEUM & NATURAL GAS (SHRI DINSHA PATEL)

(a) & (b) A National Hydrogen Energy Road Map for development of Hydrogen Energy in India has been prepared under the guidance of the National Hydrogen Energy Board constituted by the Ministry of New and Renewable Energy.The Road Map has envisaged gradual introduction of hydrogen fuelled vehicles in the country and about one million hydrogen-fuelled vehicles are expected to be on the Indian roads by 2020. Most of these vehicles are expected to be based on internal combustion (IC) engine technology. Fuel Cell based automobiles are too costly at present and may, therefore, take a longer time before they become cost-competitive.

(c) The National Hydrogen Energy Road Map has identified public-private partnership mode for implementation of the research, development and demonstration projects. The first project for public- private partnership relating to introduction of hydrogen- CNG blend in vehicles is planned to be undertaken by Ministry of New and Renewable Energy during 2007-2008 through the Society of Indian Automobile Manufactures (SIAM) and Indian Oil Corporation Limited. Five major automobile companies would be participating in this project. As more projects for public-private partnership are developed by the industry/industry associations, these may be considered for implementation.